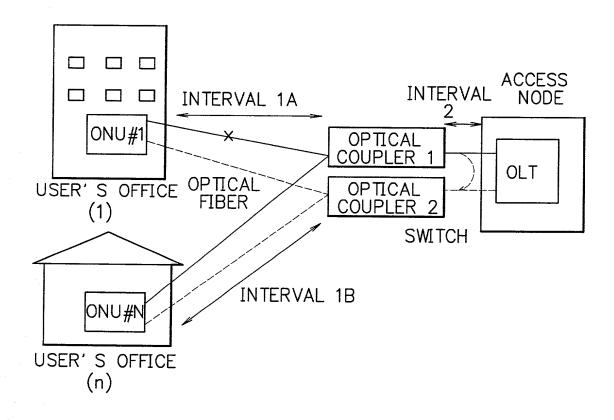
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F I G. 1



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F I G. 2

ATM LAYER

ATM-PON TC LAYER - PST MESSAGE

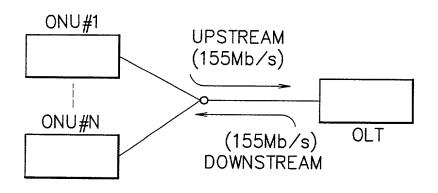
PHYSICAL LAYER - OPTICAL WDM,E/0,0/E

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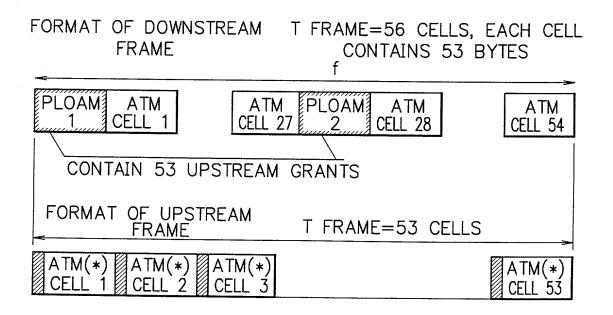
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F I G. 3A



F I G. 3B

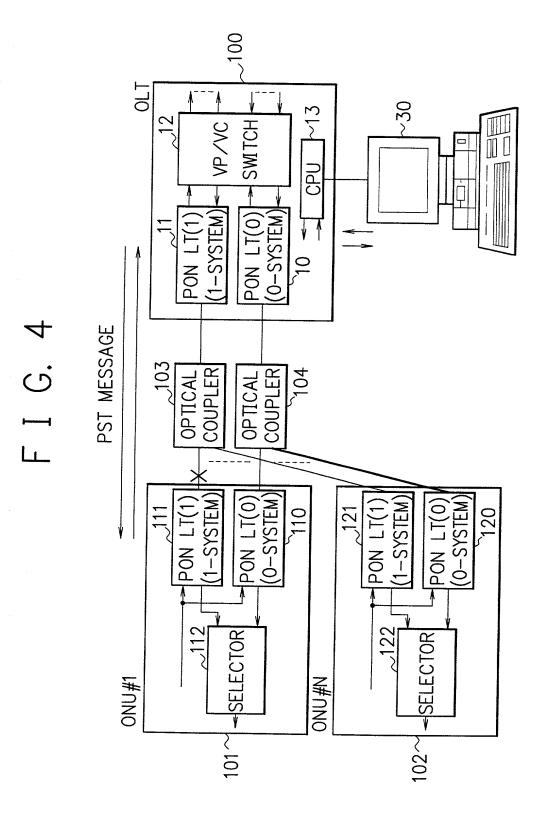


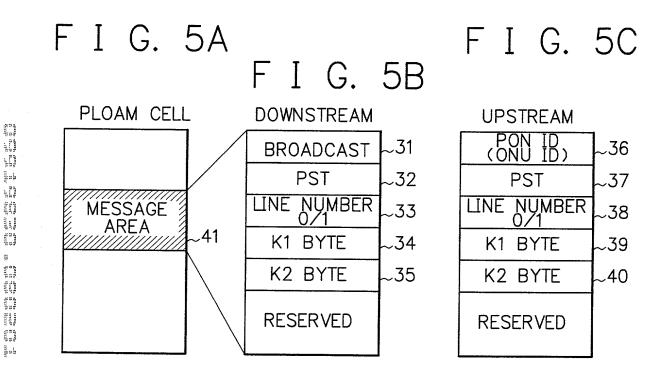
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F I G. 6A

DOWNSTREAM 1 FRAME: 56 CELLS

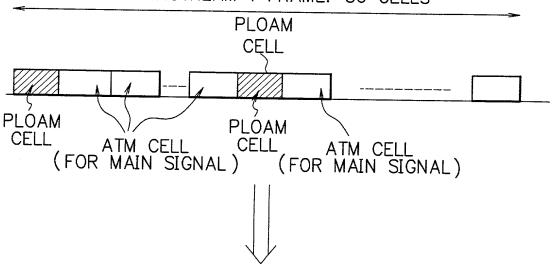


FIG. 6B

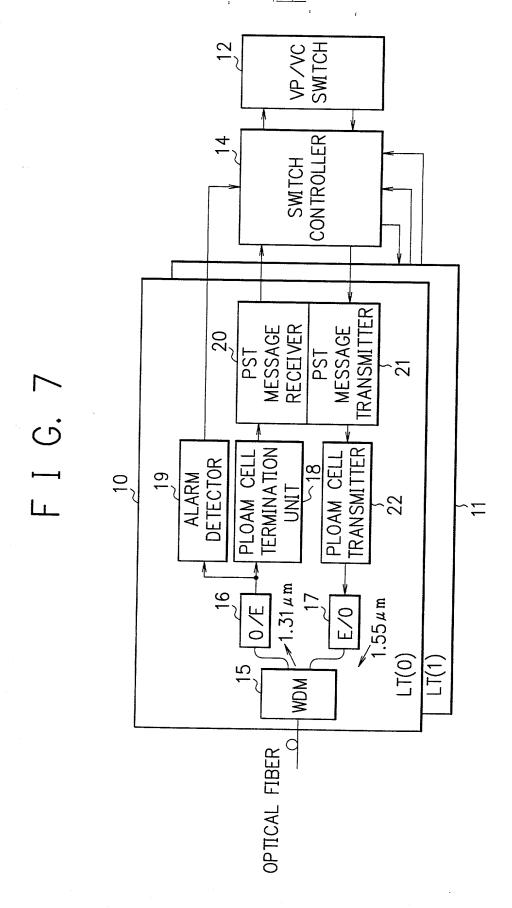
PLOAM CELL 1	1	2	3	 27
PLOAM CELL 2	28	29	30	 56

OAM FUNCTION

MAIN SIGNAL AREA

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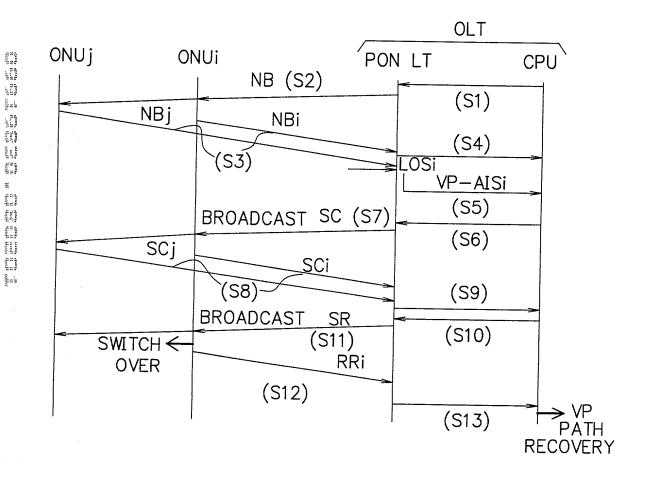
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F I G. 8

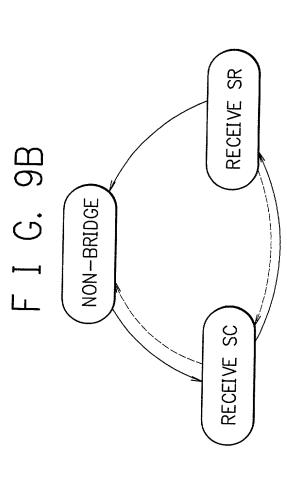


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F I G. 9A

			i		
	OPERATION	NON- RRINGE	BRIDGE	FAULT IN BACKUP SYSTEM	FAULT IN BOTH SYSTEMS
	LVEINI			NON-BRIDGE	NON-BRIDGE
PRIMARY: 0-SYSTEM	SCI(0)	>	NONE	>	NONE
BACKUP:1-SYSTEM	SCI(1)	>	>	NONF	NONE
				1	



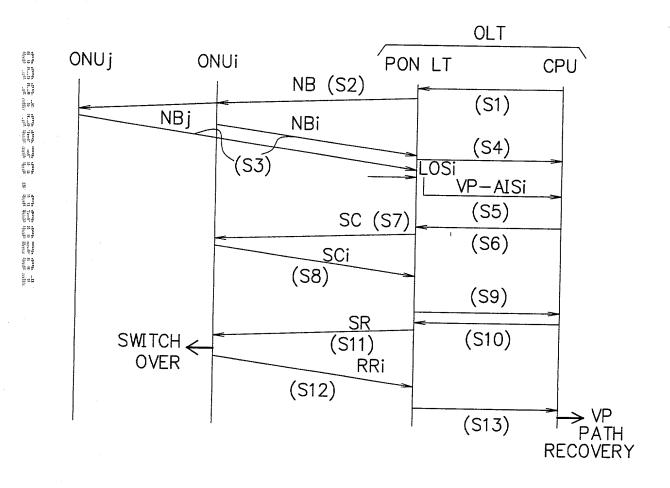
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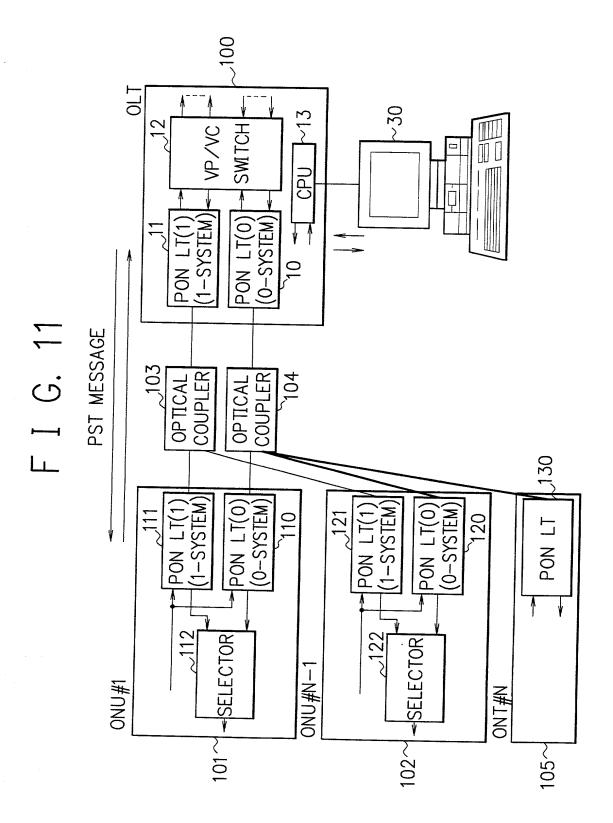
Q65699-----Filed August 2, 2001

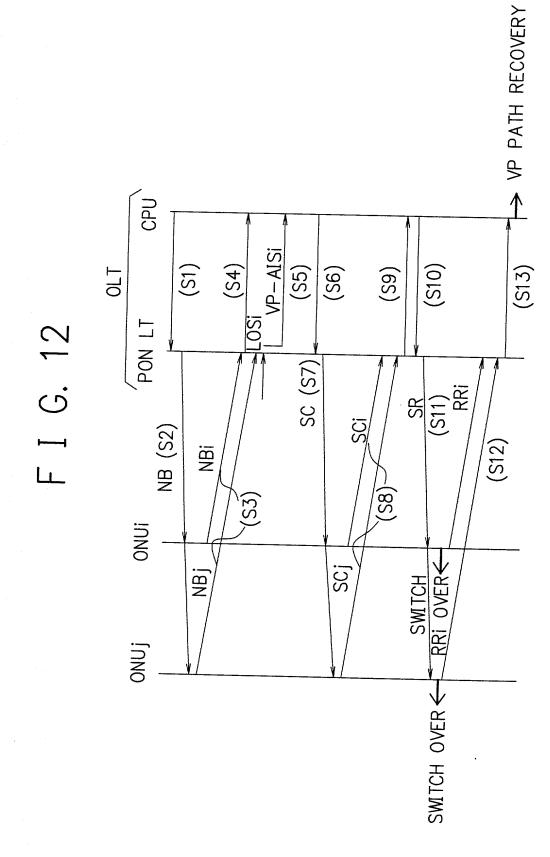
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F I G. 10









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